

Global Gamma-Lactone Fragrance Market Growth 2022-2028

<https://marketpublishers.com/r/G5118FE48C3FEN.html>

Date: November 2022

Pages: 99

Price: US\$ 3,660.00 (Single User License)

ID: G5118FE48C3FEN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

Gamma Lactone are widely used in candy, beverages, dairy products, bakery and other foods because of their typical milky and fruity aromas.

The global market for Gamma-Lactone Fragrance is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Gamma-Lactone Fragrance market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Gamma-Lactone Fragrance market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Gamma-Lactone Fragrance market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Gamma-Lactone Fragrance market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Gamma-Lactone Fragrance players cover Firmenich, Zeon, WanXiang International Limited, Takasago and Shanghai Huasheng Spices and etc. In terms of

revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global Gamma-Lactone Fragrance market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Gamma-Lactone Fragrance market, with both quantitative and qualitative data, to help readers understand how the Gamma-Lactone Fragrance market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Tons.

Market Segmentation:

The study segments the Gamma-Lactone Fragrance market and forecasts the market size by Type (gamma-Unsecalactone, gamma-Nonalactone and Other), by Application (Perfume, Food and Beverage, Daily Chemical and Other), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

gamma-Unsecalactone

gamma-Nonalactone

Other

Segmentation by application

Perfume

Food and Beverage

Daily Chemical

Other

Segmentation by region

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

Firmenich

Zeon

WanXiang International Limited

Takasago

Shanghai Huasheng Spices

Anhui Huaye Spice

Chapter Introduction

Chapter 1: Scope of Gamma-Lactone Fragrance, Research Methodology, etc.

Chapter 2: Executive Summary, global Gamma-Lactone Fragrance market size (sales and revenue) and CAGR, Gamma-Lactone Fragrance market size by region, by type,

by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Gamma-Lactone Fragrance sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Gamma-Lactone Fragrance sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Gamma-Lactone Fragrance market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including Firmenich, Zeon, WanXiang International Limited, Takasago, Shanghai Huasheng Spices and Anhui Huaye Spice, etc.

Chapter 14: Research Findings and Conclusion

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Gamma-Lactone Fragrance Annual Sales 2017-2028
 - 2.1.2 World Current & Future Analysis for Gamma-Lactone Fragrance by Geographic Region, 2017, 2022 & 2028
 - 2.1.3 World Current & Future Analysis for Gamma-Lactone Fragrance by Country/Region, 2017, 2022 & 2028
- 2.2 Gamma-Lactone Fragrance Segment by Type
 - 2.2.1 gamma-Unsecalactone
 - 2.2.2 gamma-Nonalactone
 - 2.2.3 Other
- 2.3 Gamma-Lactone Fragrance Sales by Type
 - 2.3.1 Global Gamma-Lactone Fragrance Sales Market Share by Type (2017-2022)
 - 2.3.2 Global Gamma-Lactone Fragrance Revenue and Market Share by Type (2017-2022)
 - 2.3.3 Global Gamma-Lactone Fragrance Sale Price by Type (2017-2022)
- 2.4 Gamma-Lactone Fragrance Segment by Application
 - 2.4.1 Perfume
 - 2.4.2 Food and Beverage
 - 2.4.3 Daily Chemical
 - 2.4.4 Other
- 2.5 Gamma-Lactone Fragrance Sales by Application
 - 2.5.1 Global Gamma-Lactone Fragrance Sale Market Share by Application (2017-2022)
 - 2.5.2 Global Gamma-Lactone Fragrance Revenue and Market Share by Application (2017-2022)

2.5.3 Global Gamma-Lactone Fragrance Sale Price by Application (2017-2022)

3 GLOBAL GAMMA-LACTONE FRAGRANCE BY COMPANY

3.1 Global Gamma-Lactone Fragrance Breakdown Data by Company

3.1.1 Global Gamma-Lactone Fragrance Annual Sales by Company (2020-2022)

3.1.2 Global Gamma-Lactone Fragrance Sales Market Share by Company (2020-2022)

3.2 Global Gamma-Lactone Fragrance Annual Revenue by Company (2020-2022)

3.2.1 Global Gamma-Lactone Fragrance Revenue by Company (2020-2022)

3.2.2 Global Gamma-Lactone Fragrance Revenue Market Share by Company (2020-2022)

3.3 Global Gamma-Lactone Fragrance Sale Price by Company

3.4 Key Manufacturers Gamma-Lactone Fragrance Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Gamma-Lactone Fragrance Product Location Distribution

3.4.2 Players Gamma-Lactone Fragrance Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR GAMMA-LACTONE FRAGRANCE BY GEOGRAPHIC REGION

4.1 World Historic Gamma-Lactone Fragrance Market Size by Geographic Region (2017-2022)

4.1.1 Global Gamma-Lactone Fragrance Annual Sales by Geographic Region (2017-2022)

4.1.2 Global Gamma-Lactone Fragrance Annual Revenue by Geographic Region

4.2 World Historic Gamma-Lactone Fragrance Market Size by Country/Region (2017-2022)

4.2.1 Global Gamma-Lactone Fragrance Annual Sales by Country/Region (2017-2022)

4.2.2 Global Gamma-Lactone Fragrance Annual Revenue by Country/Region

4.3 Americas Gamma-Lactone Fragrance Sales Growth

4.4 APAC Gamma-Lactone Fragrance Sales Growth

4.5 Europe Gamma-Lactone Fragrance Sales Growth

4.6 Middle East & Africa Gamma-Lactone Fragrance Sales Growth

5 AMERICAS

5.1 Americas Gamma-Lactone Fragrance Sales by Country

5.1.1 Americas Gamma-Lactone Fragrance Sales by Country (2017-2022)

5.1.2 Americas Gamma-Lactone Fragrance Revenue by Country (2017-2022)

5.2 Americas Gamma-Lactone Fragrance Sales by Type

5.3 Americas Gamma-Lactone Fragrance Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Gamma-Lactone Fragrance Sales by Region

6.1.1 APAC Gamma-Lactone Fragrance Sales by Region (2017-2022)

6.1.2 APAC Gamma-Lactone Fragrance Revenue by Region (2017-2022)

6.2 APAC Gamma-Lactone Fragrance Sales by Type

6.3 APAC Gamma-Lactone Fragrance Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Gamma-Lactone Fragrance by Country

7.1.1 Europe Gamma-Lactone Fragrance Sales by Country (2017-2022)

7.1.2 Europe Gamma-Lactone Fragrance Revenue by Country (2017-2022)

7.2 Europe Gamma-Lactone Fragrance Sales by Type

7.3 Europe Gamma-Lactone Fragrance Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Gamma-Lactone Fragrance by Country

8.1.1 Middle East & Africa Gamma-Lactone Fragrance Sales by Country (2017-2022)

8.1.2 Middle East & Africa Gamma-Lactone Fragrance Revenue by Country (2017-2022)

8.2 Middle East & Africa Gamma-Lactone Fragrance Sales by Type

8.3 Middle East & Africa Gamma-Lactone Fragrance Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Gamma-Lactone Fragrance

10.3 Manufacturing Process Analysis of Gamma-Lactone Fragrance

10.4 Industry Chain Structure of Gamma-Lactone Fragrance

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Gamma-Lactone Fragrance Distributors

11.3 Gamma-Lactone Fragrance Customer

12 WORLD FORECAST REVIEW FOR GAMMA-LACTONE FRAGRANCE BY GEOGRAPHIC REGION

- 12.1 Global Gamma-Lactone Fragrance Market Size Forecast by Region
 - 12.1.1 Global Gamma-Lactone Fragrance Forecast by Region (2023-2028)
 - 12.1.2 Global Gamma-Lactone Fragrance Annual Revenue Forecast by Region (2023-2028)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Gamma-Lactone Fragrance Forecast by Type
- 12.7 Global Gamma-Lactone Fragrance Forecast by Application

13 KEY PLAYERS ANALYSIS

- 13.1 Firmenich
 - 13.1.1 Firmenich Company Information
 - 13.1.2 Firmenich Gamma-Lactone Fragrance Product Offered
 - 13.1.3 Firmenich Gamma-Lactone Fragrance Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.1.4 Firmenich Main Business Overview
 - 13.1.5 Firmenich Latest Developments
- 13.2 Zeon
 - 13.2.1 Zeon Company Information
 - 13.2.2 Zeon Gamma-Lactone Fragrance Product Offered
 - 13.2.3 Zeon Gamma-Lactone Fragrance Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.2.4 Zeon Main Business Overview
 - 13.2.5 Zeon Latest Developments
- 13.3 WanXiang International Limited
 - 13.3.1 WanXiang International Limited Company Information
 - 13.3.2 WanXiang International Limited Gamma-Lactone Fragrance Product Offered
 - 13.3.3 WanXiang International Limited Gamma-Lactone Fragrance Sales, Revenue, Price and Gross Margin (2020-2022)
 - 13.3.4 WanXiang International Limited Main Business Overview
 - 13.3.5 WanXiang International Limited Latest Developments
- 13.4 Takasago
 - 13.4.1 Takasago Company Information
 - 13.4.2 Takasago Gamma-Lactone Fragrance Product Offered
 - 13.4.3 Takasago Gamma-Lactone Fragrance Sales, Revenue, Price and Gross Margin

(2020-2022)

13.4.4 Takasago Main Business Overview

13.4.5 Takasago Latest Developments

13.5 Shanghai Huasheng Spices

13.5.1 Shanghai Huasheng Spices Company Information

13.5.2 Shanghai Huasheng Spices Gamma-Lactone Fragrance Product Offered

13.5.3 Shanghai Huasheng Spices Gamma-Lactone Fragrance Sales, Revenue, Price and Gross Margin (2020-2022)

13.5.4 Shanghai Huasheng Spices Main Business Overview

13.5.5 Shanghai Huasheng Spices Latest Developments

13.6 Anhui Huaye Spice

13.6.1 Anhui Huaye Spice Company Information

13.6.2 Anhui Huaye Spice Gamma-Lactone Fragrance Product Offered

13.6.3 Anhui Huaye Spice Gamma-Lactone Fragrance Sales, Revenue, Price and Gross Margin (2020-2022)

13.6.4 Anhui Huaye Spice Main Business Overview

13.6.5 Anhui Huaye Spice Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Gamma-Lactone Fragrance Annual Sales CAGR by Geographic Region (2017, 2022 & 2028) & (\$ millions)

Table 2. Gamma-Lactone Fragrance Annual Sales CAGR by Country/Region (2017, 2022 & 2028) & (\$ millions)

Table 3. Major Players of gamma-Unsecalactone

Table 4. Major Players of gamma-Nonalactone

Table 5. Major Players of Other

Table 6. Global Gamma-Lactone Fragrance Sales by Type (2017-2022) & (Tons)

Table 7. Global Gamma-Lactone Fragrance Sales Market Share by Type (2017-2022)

Table 8. Global Gamma-Lactone Fragrance Revenue by Type (2017-2022) & (\$ million)

Table 9. Global Gamma-Lactone Fragrance Revenue Market Share by Type (2017-2022)

Table 10. Global Gamma-Lactone Fragrance Sale Price by Type (2017-2022) & (US\$/Ton)

Table 11. Global Gamma-Lactone Fragrance Sales by Application (2017-2022) & (Tons)

Table 12. Global Gamma-Lactone Fragrance Sales Market Share by Application (2017-2022)

Table 13. Global Gamma-Lactone Fragrance Revenue by Application (2017-2022)

Table 14. Global Gamma-Lactone Fragrance Revenue Market Share by Application (2017-2022)

Table 15. Global Gamma-Lactone Fragrance Sale Price by Application (2017-2022) & (US\$/Ton)

Table 16. Global Gamma-Lactone Fragrance Sales by Company (2020-2022) & (Tons)

Table 17. Global Gamma-Lactone Fragrance Sales Market Share by Company (2020-2022)

Table 18. Global Gamma-Lactone Fragrance Revenue by Company (2020-2022) (\$ Millions)

Table 19. Global Gamma-Lactone Fragrance Revenue Market Share by Company (2020-2022)

Table 20. Global Gamma-Lactone Fragrance Sale Price by Company (2020-2022) & (US\$/Ton)

Table 21. Key Manufacturers Gamma-Lactone Fragrance Producing Area Distribution and Sales Area

Table 22. Players Gamma-Lactone Fragrance Products Offered

Table 23. Gamma-Lactone Fragrance Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Gamma-Lactone Fragrance Sales by Geographic Region (2017-2022) & (Tons)

Table 27. Global Gamma-Lactone Fragrance Sales Market Share Geographic Region (2017-2022)

Table 28. Global Gamma-Lactone Fragrance Revenue by Geographic Region (2017-2022) & (\$ millions)

Table 29. Global Gamma-Lactone Fragrance Revenue Market Share by Geographic Region (2017-2022)

Table 30. Global Gamma-Lactone Fragrance Sales by Country/Region (2017-2022) & (Tons)

Table 31. Global Gamma-Lactone Fragrance Sales Market Share by Country/Region (2017-2022)

Table 32. Global Gamma-Lactone Fragrance Revenue by Country/Region (2017-2022) & (\$ millions)

Table 33. Global Gamma-Lactone Fragrance Revenue Market Share by Country/Region (2017-2022)

Table 34. Americas Gamma-Lactone Fragrance Sales by Country (2017-2022) & (Tons)

Table 35. Americas Gamma-Lactone Fragrance Sales Market Share by Country (2017-2022)

Table 36. Americas Gamma-Lactone Fragrance Revenue by Country (2017-2022) & (\$ Millions)

Table 37. Americas Gamma-Lactone Fragrance Revenue Market Share by Country (2017-2022)

Table 38. Americas Gamma-Lactone Fragrance Sales by Type (2017-2022) & (Tons)

Table 39. Americas Gamma-Lactone Fragrance Sales Market Share by Type (2017-2022)

Table 40. Americas Gamma-Lactone Fragrance Sales by Application (2017-2022) & (Tons)

Table 41. Americas Gamma-Lactone Fragrance Sales Market Share by Application (2017-2022)

Table 42. APAC Gamma-Lactone Fragrance Sales by Region (2017-2022) & (Tons)

Table 43. APAC Gamma-Lactone Fragrance Sales Market Share by Region (2017-2022)

Table 44. APAC Gamma-Lactone Fragrance Revenue by Region (2017-2022) & (\$ Millions)

Table 45. APAC Gamma-Lactone Fragrance Revenue Market Share by Region (2017-2022)

Table 46. APAC Gamma-Lactone Fragrance Sales by Type (2017-2022) & (Tons)

Table 47. APAC Gamma-Lactone Fragrance Sales Market Share by Type (2017-2022)

Table 48. APAC Gamma-Lactone Fragrance Sales by Application (2017-2022) & (Tons)

Table 49. APAC Gamma-Lactone Fragrance Sales Market Share by Application (2017-2022)

Table 50. Europe Gamma-Lactone Fragrance Sales by Country (2017-2022) & (Tons)

Table 51. Europe Gamma-Lactone Fragrance Sales Market Share by Country (2017-2022)

Table 52. Europe Gamma-Lactone Fragrance Revenue by Country (2017-2022) & (\$ Millions)

Table 53. Europe Gamma-Lactone Fragrance Revenue Market Share by Country (2017-2022)

Table 54. Europe Gamma-Lactone Fragrance Sales by Type (2017-2022) & (Tons)

Table 55. Europe Gamma-Lactone Fragrance Sales Market Share by Type (2017-2022)

Table 56. Europe Gamma-Lactone Fragrance Sales by Application (2017-2022) & (Tons)

Table 57. Europe Gamma-Lactone Fragrance Sales Market Share by Application (2017-2022)

Table 58. Middle East & Africa Gamma-Lactone Fragrance Sales by Country (2017-2022) & (Tons)

Table 59. Middle East & Africa Gamma-Lactone Fragrance Sales Market Share by Country (2017-2022)

Table 60. Middle East & Africa Gamma-Lactone Fragrance Revenue by Country (2017-2022) & (\$ Millions)

Table 61. Middle East & Africa Gamma-Lactone Fragrance Revenue Market Share by Country (2017-2022)

Table 62. Middle East & Africa Gamma-Lactone Fragrance Sales by Type (2017-2022) & (Tons)

Table 63. Middle East & Africa Gamma-Lactone Fragrance Sales Market Share by Type (2017-2022)

Table 64. Middle East & Africa Gamma-Lactone Fragrance Sales by Application (2017-2022) & (Tons)

Table 65. Middle East & Africa Gamma-Lactone Fragrance Sales Market Share by Application (2017-2022)

Table 66. Key Market Drivers & Growth Opportunities of Gamma-Lactone Fragrance

Table 67. Key Market Challenges & Risks of Gamma-Lactone Fragrance

Table 68. Key Industry Trends of Gamma-Lactone Fragrance

Table 69. Gamma-Lactone Fragrance Raw Material
Table 70. Key Suppliers of Raw Materials
Table 71. Gamma-Lactone Fragrance Distributors List
Table 72. Gamma-Lactone Fragrance Customer List
Table 73. Global Gamma-Lactone Fragrance Sales Forecast by Region (2023-2028) & (Tons)
Table 74. Global Gamma-Lactone Fragrance Sales Market Forecast by Region
Table 75. Global Gamma-Lactone Fragrance Revenue Forecast by Region (2023-2028) & (\$ millions)
Table 76. Global Gamma-Lactone Fragrance Revenue Market Share Forecast by Region (2023-2028)
Table 77. Americas Gamma-Lactone Fragrance Sales Forecast by Country (2023-2028) & (Tons)
Table 78. Americas Gamma-Lactone Fragrance Revenue Forecast by Country (2023-2028) & (\$ millions)
Table 79. APAC Gamma-Lactone Fragrance Sales Forecast by Region (2023-2028) & (Tons)
Table 80. APAC Gamma-Lactone Fragrance Revenue Forecast by Region (2023-2028) & (\$ millions)
Table 81. Europe Gamma-Lactone Fragrance Sales Forecast by Country (2023-2028) & (Tons)
Table 82. Europe Gamma-Lactone Fragrance Revenue Forecast by Country (2023-2028) & (\$ millions)
Table 83. Middle East & Africa Gamma-Lactone Fragrance Sales Forecast by Country (2023-2028) & (Tons)
Table 84. Middle East & Africa Gamma-Lactone Fragrance Revenue Forecast by Country (2023-2028) & (\$ millions)
Table 85. Global Gamma-Lactone Fragrance Sales Forecast by Type (2023-2028) & (Tons)
Table 86. Global Gamma-Lactone Fragrance Sales Market Share Forecast by Type (2023-2028)
Table 87. Global Gamma-Lactone Fragrance Revenue Forecast by Type (2023-2028) & (\$ Millions)
Table 88. Global Gamma-Lactone Fragrance Revenue Market Share Forecast by Type (2023-2028)
Table 89. Global Gamma-Lactone Fragrance Sales Forecast by Application (2023-2028) & (Tons)
Table 90. Global Gamma-Lactone Fragrance Sales Market Share Forecast by Application (2023-2028)

Table 91. Global Gamma-Lactone Fragrance Revenue Forecast by Application (2023-2028) & (\$ Millions)

Table 92. Global Gamma-Lactone Fragrance Revenue Market Share Forecast by Application (2023-2028)

Table 93. Firmenich Basic Information, Gamma-Lactone Fragrance Manufacturing Base, Sales Area and Its Competitors

Table 94. Firmenich Gamma-Lactone Fragrance Product Offered

Table 95. Firmenich Gamma-Lactone Fragrance Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2022)

Table 96. Firmenich Main Business

Table 97. Firmenich Latest Developments

Table 98. Zeon Basic Information, Gamma-Lactone Fragrance Manufacturing Base, Sales Area and Its Competitors

Table 99. Zeon Gamma-Lactone Fragrance Product Offered

Table 100. Zeon Gamma-Lactone Fragrance Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2022)

Table 101. Zeon Main Business

Table 102. Zeon Latest Developments

Table 103. WanXiang International Limited Basic Information, Gamma-Lactone Fragrance Manufacturing Base, Sales Area and Its Competitors

Table 104. WanXiang International Limited Gamma-Lactone Fragrance Product Offered

Table 105. WanXiang International Limited Gamma-Lactone Fragrance Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2022)

Table 106. WanXiang International Limited Main Business

Table 107. WanXiang International Limited Latest Developments

Table 108. Takasago Basic Information, Gamma-Lactone Fragrance Manufacturing Base, Sales Area and Its Competitors

Table 109. Takasago Gamma-Lactone Fragrance Product Offered

Table 110. Takasago Gamma-Lactone Fragrance Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2022)

Table 111. Takasago Main Business

Table 112. Takasago Latest Developments

Table 113. Shanghai Huasheng Spices Basic Information, Gamma-Lactone Fragrance Manufacturing Base, Sales Area and Its Competitors

Table 114. Shanghai Huasheng Spices Gamma-Lactone Fragrance Product Offered

Table 115. Shanghai Huasheng Spices Gamma-Lactone Fragrance Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2020-2022)

Table 116. Shanghai Huasheng Spices Main Business

Table 117. Shanghai Huasheng Spices Latest Developments

Table 118. Anhui Huaye Spice Basic Information, Gamma-Lactone Fragrance
Manufacturing Base, Sales Area and Its Competitors

Table 119. Anhui Huaye Spice Gamma-Lactone Fragrance Product Offered

Table 120. Anhui Huaye Spice Gamma-Lactone Fragrance Sales (Tons), Revenue (\$
Million), Price (US\$/Ton) and Gross Margin (2020-2022)

Table 121. Anhui Huaye Spice Main Business

Table 122. Anhui Huaye Spice Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Gamma-Lactone Fragrance
- Figure 2. Gamma-Lactone Fragrance Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Gamma-Lactone Fragrance Sales Growth Rate 2017-2028 (Tons)
- Figure 7. Global Gamma-Lactone Fragrance Revenue Growth Rate 2017-2028 (\$ Millions)
- Figure 8. Gamma-Lactone Fragrance Sales by Region (2021 & 2028) & (\$ millions)
- Figure 9. Product Picture of gamma-Unsecalactone
- Figure 10. Product Picture of gamma-Nonalactone
- Figure 11. Product Picture of Other
- Figure 12. Global Gamma-Lactone Fragrance Sales Market Share by Type in 2021
- Figure 13. Global Gamma-Lactone Fragrance Revenue Market Share by Type (2017-2022)
- Figure 14. Gamma-Lactone Fragrance Consumed in Perfume
- Figure 15. Global Gamma-Lactone Fragrance Market: Perfume (2017-2022) & (Tons)
- Figure 16. Gamma-Lactone Fragrance Consumed in Food and Beverage
- Figure 17. Global Gamma-Lactone Fragrance Market: Food and Beverage (2017-2022) & (Tons)
- Figure 18. Gamma-Lactone Fragrance Consumed in Daily Chemical
- Figure 19. Global Gamma-Lactone Fragrance Market: Daily Chemical (2017-2022) & (Tons)
- Figure 20. Gamma-Lactone Fragrance Consumed in Other
- Figure 21. Global Gamma-Lactone Fragrance Market: Other (2017-2022) & (Tons)
- Figure 22. Global Gamma-Lactone Fragrance Sales Market Share by Application (2017-2022)
- Figure 23. Global Gamma-Lactone Fragrance Revenue Market Share by Application in 2021
- Figure 24. Gamma-Lactone Fragrance Revenue Market by Company in 2021 (\$ Million)
- Figure 25. Global Gamma-Lactone Fragrance Revenue Market Share by Company in 2021
- Figure 26. Global Gamma-Lactone Fragrance Sales Market Share by Geographic Region (2017-2022)
- Figure 27. Global Gamma-Lactone Fragrance Revenue Market Share by Geographic

Region in 2021

Figure 28. Global Gamma-Lactone Fragrance Sales Market Share by Region (2017-2022)

Figure 29. Global Gamma-Lactone Fragrance Revenue Market Share by Country/Region in 2021

Figure 30. Americas Gamma-Lactone Fragrance Sales 2017-2022 (Tons)

Figure 31. Americas Gamma-Lactone Fragrance Revenue 2017-2022 (\$ Millions)

Figure 32. APAC Gamma-Lactone Fragrance Sales 2017-2022 (Tons)

Figure 33. APAC Gamma-Lactone Fragrance Revenue 2017-2022 (\$ Millions)

Figure 34. Europe Gamma-Lactone Fragrance Sales 2017-2022 (Tons)

Figure 35. Europe Gamma-Lactone Fragrance Revenue 2017-2022 (\$ Millions)

Figure 36. Middle East & Africa Gamma-Lactone Fragrance Sales 2017-2022 (Tons)

Figure 37. Middle East & Africa Gamma-Lactone Fragrance Revenue 2017-2022 (\$ Millions)

Figure 38. Americas Gamma-Lactone Fragrance Sales Market Share by Country in 2021

Figure 39. Americas Gamma-Lactone Fragrance Revenue Market Share by Country in 2021

Figure 40. United States Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 41. Canada Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 42. Mexico Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 43. Brazil Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 44. APAC Gamma-Lactone Fragrance Sales Market Share by Region in 2021

Figure 45. APAC Gamma-Lactone Fragrance Revenue Market Share by Regions in 2021

Figure 46. China Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 47. Japan Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 48. South Korea Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 49. Southeast Asia Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 50. India Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 51. Australia Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 52. Europe Gamma-Lactone Fragrance Sales Market Share by Country in 2021

Figure 53. Europe Gamma-Lactone Fragrance Revenue Market Share by Country in 2021

Figure 54. Germany Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$

Millions)

Figure 55. France Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 56. UK Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 57. Italy Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 58. Russia Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 59. Middle East & Africa Gamma-Lactone Fragrance Sales Market Share by Country in 2021

Figure 60. Middle East & Africa Gamma-Lactone Fragrance Revenue Market Share by Country in 2021

Figure 61. Egypt Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 62. South Africa Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 63. Israel Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 64. Turkey Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 65. GCC Country Gamma-Lactone Fragrance Revenue Growth 2017-2022 (\$ Millions)

Figure 66. Manufacturing Cost Structure Analysis of Gamma-Lactone Fragrance in 2021

Figure 67. Manufacturing Process Analysis of Gamma-Lactone Fragrance

Figure 68. Industry Chain Structure of Gamma-Lactone Fragrance

Figure 69. Channels of Distribution

Figure 70. Distributors Profiles

I would like to order

Product name: Global Gamma-Lactone Fragrance Market Growth 2022-2028

Product link: <https://marketpublishers.com/r/G5118FE48C3FEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5118FE48C3FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970